MESA dbGaP Acknowledgment Statements

The acknowledgment of MESA dataset(s) should always include acknowledgment of the appropriate MESA/MESA Family/MESA Air contracts (component I below) **AND** the genotypic/genomic dataset(s) (component II below). In addition, if the MESA phenotypic dataset(s) used in your analysis were derived from non-contract supported studies, these dataset(s) should also be acknowledged (component III below).

Components of the MESA dbGaP Acknowledgment Statements:

I. Multi-Ethnic Study of Atherosclerosis (MESA) Contract Acknowledgment. (Use one or more of the following statements relevant to the specific datasets used in your analysis)

> **A. MESA Acknowledgement**
> "MESA and the MESA SHARe project are conducted and supported by the National Heart, Lung, and Blood Institute (NHLBI) in collaboration with MESA investigators. Support for MESA is provided by contracts N01-HC-95159, N01-HC-95160, N01-HC-95161, N01-HC-95162, N01-HC-95163, N01-HC-95164, N01-HC-95165, N01-HC-95166, N01-HC-95167, N01-HC-95168, N01-HC-95169 and CTSA UL1-RR-024156.

> **B. MESA Family Acknowledgement**
> "MESA Family is conducted and supported by the National Heart, Lung, and Blood Institute (NHLBI) in collaboration with MESA investigators. Support is provided by grants and contracts R01HL071051, R01HL071205, R01HL071250, R01HL071251, R01HL071258, R01HL071259, UL1-RR-025005, by the National Center for Research Resources, Grant UL1RR033176, and the National Center for Advancing Translational Sciences, Grant UL1TR000124."

> **C. MESA Air Acknowledgement**
> "The Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air) is supported by the U.S. Environmental Protection Agency (EPA) under Science to Achieve Results (STAR) Program Grant # RD831697. Although the research described in this presentation has been funded wholly or in part by the United States Environmental Protection Agency through RD831697 to the University of Washington, it has not been subjected to the Agency's required peer and policy review and therefore does not necessarily reflect the views of the Agency and no official endorsement should be inferred."

> Note: If necessary, add "This manuscript was not prepared in collaboration with MESA investigators and does not necessarily reflect the opinions or views of MESA, or the NHLBI."

> Note: Any work using data from a MESA Air funded project should include the MESA Air acknowledgement. This includes: Exam 5 CAC data, Exam 5 IMT data, any analyses that include the MESA Air New Recruits, and any studies that use air pollutant predictions or monitoring data collected by MESA Air.

II. Genotypic/Genomic Dataset Acknowledgment (Use one or more of the following statements relevant to the specific datasets used in your analysis)

> **A. MESA SNP Health Association Resource (SHARe)**: "Funding for SHARe genotyping was provided by NHLBI Contract N02-HL-64278. Genotyping was performed at Affymetrix (Santa Clara, California, USA) and the Broad Institute of Harvard and MIT (Boston, Massachusetts, USA) using the Affymetric Genome-Wide Human SNP Array 6.0."

> **B. Candidate gene Association Resource (CARe)**: "The MESA CARe data used for the analyses described in this manuscript were obtained through dbGaP (accession numbers). Funding for CARe genotyping was provided by NHLBI Contract N01-HC-65226."

C. NHLBI Grand Opportunity Exome Sequencing Project (GO-ESP)
"This study is part of the NHLBI Grand Opportunity Exome Sequencing Project (GO-ESP). Funding for GO-ESP was provided by NHLBI grants RC2 HL103010 (HeartGO), RC2 HL102923 (LungGO) and RC2 HL102924 (WHISP). The exome sequencing was performed through NHLBI grants RC2 HL102925 (BroadGO) and RC2 HL102926 (SeattleGO).

HeartGO gratefully acknowledges the following groups and individuals who provided biological samples or data for this study. DNA samples and phenotypic data were obtained from the following studies supported by the NHLBI: the Atherosclerosis Risk in Communities (ARIC) study, the Coronary Artery Risk Development in Young Adults (CARDIA) study, Cardiovascular Health Study (CHS), the Framingham Heart Study (FHS), the Jackson Heart Study (JHS) and the Multi-Ethnic Study of Atherosclerosis (MESA)."

D. 96-SNP Panel SHARe Follow-up Genotyping
See acknowledgement IIA.

E. Exome Chip SHARe Follow-up Genotyping
See acknowledgement IIA.

III. Non-Contract Phenotypic Dataset Acknowledgment (Select from the following statements those relevant to the specific datasets used in your analysis)

MESA Classic Ancillary Study
MESA SHARe – Candidate Gene Dataset
(SHARe_AncilMESACG)
Nature of Data: Indicator of participation in Candidate Gene dataset
[Note: Acknowledgement is covered by Section I]

MESA SHARe – MESA Classic Abdominal Aortic CT Datasets
(SHARe_AncilMesaExam3AbdominalAorticCT and SHARe_AncilMesaExam4AbdominalAorticCT)
Nature of Data: Exam 3 and Exam 4 MESA Classic abdominal aortic CT dataset
"Funding support for the abdominal aortic CT dataset was provided by grant 1R01HL088451-01A1."

MESA SHARe – MESA Classic Abdominal Body Composition Dataset
(SHARe_AncilMesaAbdBodyComposition)
Nature of Data: Abdominal Body Composition dataset for MESA Classic participants
"Funding support for the abdominal aortic CT dataset was provided by grant 1R01HL088451-01A1."

MESA SHARe – MESA Classic Adiponectin Dataset
(SHARe_AncilMesaAdiponectin)
Nature of Data: MESA Classic Adiponectin dataset
"Funding support for the adiponectin dataset was provided by grant 1R01HL088451-01A1."

MESA SHARe – MESA Classic Air Exposure Dataset
(SHARe_AncilMESAAirExposure)
Nature of Data: Distance to Roadway measurements for MESA Air Classic participants.
[Note: Acknowledgement is covered by section I]

MESA SHARe – MESA Classic Aortic Valvular Calcium Dataset
(SHARe_AncilMesaAorticValvularCalcium)
Nature of Data: Aortic valvular calcium dataset for MESA Classic participants

"Funding support for the aortic valvular calcium dataset was provided by grant 1R01HL088451-01A1."

MESA SHARe – MESA Classic Atrial Fibrillation Cases Dataset
(SHARe_MesaAfibEvents)
Nature of Data: Atrial Fibrillation Follow-up Cases dataset
[Note: Acknowledgement is covered by section I.]

MESA SHARe – MESA Classic Bone Mineral Density Dataset
(SHARe_AncilMesaBMD)
Nature of Data: Bone Mineral Density dataset for MESA Classic participants
"Support for the Bone Mineral Density dataset was provided by grant HL072403"

MESA SHARe – MESA Classic BNP Dataset
(SHARe_BNP)
Nature of Data: BNP dataset for MESA Classic participants
"Support for the BNP dataset was provided by Roche Applied Sciences (Indianapolis, Indiana, USA)"

MESA SHARe – MESA Classic Cotinine Dataset
(SHARe_Cotinine)
Nature of Data: Cotinine dataset for MESA Classic participants
"Funding support for the Lung CT dataset was provided by grant HL077612-05A1"

MESA SHARe – MESA Classic Diet Dataset
(MESA_SHARe_Exam1Diet and SHARe_Exam1DietNutrients)
Nature of Data: Diet data for MESA Classic participants
[Note: Acknowledgement is covered by section I]

MESA SHARe – MESA Classic ECG Dataset
(SHARe_Exam1ECGContiWaveform)
Nature of Data: ECG dataset for MESA Classic participants
[Note: Acknowledgement is covered by section I]

MESA SHARe – MESA Classic Events Dataset
(SHARe_PreFU8Events)
Nature of Data: Pre Follow Up 8 Events dataset for MESA Classic participants
[Note: Acknowledgement is covered by section I]

MESA SHARe – MESA Classic Eye Refraction Dataset
(SHARe_AncilMesaEyeRefraction)
Nature of Data: Refraction dataset for MESA Classic participants
"Funding support for the eye dataset was provided by NIH Intramural program Z01EY000403"

MESA SHARe – MESA Classic Eye Exam 2 Retinal Photography Dataset
(SHARe_AncilMesaEyeE2RetinalPhotography)
Nature of Data: Exam 2 Retinal Photography dataset for MESA Classic participants
"Funding support for the eye dataset was provided by grant HL066018"

MESA SHARe – MESA Classic Eye Exam 5 Retinal Photography Dataset
(SHARe_AncilMesaEyeE5RetinalPhotography)
Nature of Data: Exam 5 Retinal Photography dataset for MESA Classic participants
"Funding support for the eye dataset was provided by grant NIH Intramural program Z01EY000403"

MESA SHARe – MESA Classic Family History Dataset
(Dataset: MESA_SHARe_Exam2FamilyHx)
Nature of Data: Family History data for MESA Classic participants
"Funding support for the MESA family history dataset was provided by grant R21 HL81175."

MESA SHARe – MESA Classic Fetuin-A Dataset
(SHARe_AncilMESAFetuinA)
Nature of Data: MESA Classic mearures of Fetuin-A, Calcium, and Phosphorous.
"Funding support for the Fetuin-A dataset was provided by grant HL091217"

MESA SHARe – MESA Classic FMD Dataset
(SHARe_AncilMesaFMD)
Nature of Data: FMD dataset for MESA Classic participants
Acknowledgement is covered by section I MESA and "Funding support for the FMD dataset was provided by grant and contract numbers N01 HC-95159-69, RR-024156, and HL077612

MESA SHARe – MESA Classic IL-10 Dataset
(SHARe_IL-10)
Nature of Data: IL-10 dataset for MESA Classic participants
[Note: Acknowledgement is covered by section I]

MESA SHARe – MESA Classic Inflammation Dataset
(SHARe_Inflammation)
Nature of Data: Inflammation dataset for MESA 1000 participants
"Funding support for the inflammation dataset was provided by grant HL077449"

MESA SHARe – MESA Classic Lp_PLA2 Dataset
(SHARe_AncilMesaLpPLA2)
Nature of Data: MESA Classic measure of LpPLA2.
"Funding support for the Lp-PLA2 dataset was provided by Diadexus/GlaxoSmithKline"

MESA SHARe – MESA Classic Lung Airways Dataset
(SHARe_AncilMesaLungAirway)
Nature of Data: Lung Airways dataset for MESA Classic participants
"Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543"

MESA SHARe – MESA Classic Lung CT Dataset
(SHARe_LungExam1CT, SHARe_LungExam2CT, SHARe_LungExam3CT, SHARe_LungExam4CT)
Nature of Data: Lung CT dataset for MESA Classic participants
"Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543"

MESA SHARe – MESA Classic MNR Lipids Data
(SHARe_Exam1Main)
Nature of Data: MNR lipids for MESA Classic participants
"Support for the MNR Lipids dataset was provided by Liposcience (Raleigh, North Carolina, USA)"

MESA SHARe – MESA Classic NAFLD Dataset
(SHARe_NAFLDLiverCT)
Nature of Data: Non-Alcoholic Fatty Liver Disease CT dataset for MESA Classic participants
"Funding support for the NFALD dataset was provided by grant HL071739-05A2"

MESA SHARe – MESA Classic Pentraxin Dataset
(SHARe_AncilMesaPentraxin)
Nature of Data: MESA Classic measures of Pentraxin and Serum Amyloid.
"Funding support for the Pentraxin dataset was provided by AHA"

MESA SHARe – MESA Classic Pericardial Fat Dataset
(SHARe_AncilMesaPericardialFat)
Nature of Data: Pericardial Fat dataset for MESA Classic participants
"Funding support for the pericardial fat dataset was provided by grant R01 HL085323-01."

MESA SHARe – MESA Classic Exam Pulsewave Data
(SHARe_Exam1Main)
Nature of Data: Exam 1 pulsewave data for MESA Classic participants
"Support for the exam 1 pulsewave data was provided by Hypertension Diagnostics, Inc (Eagan, Minnesota, USA)"

MESA SHARe – MESA Classic Pwave ECG Dataset
(SHARe_AncilMesaPWaveECG)
Nature of Data: PWave ECG dataset for MESA Classic participants
[Note: Acknowledgement is covered by section I]

MESA SHARe – MESA Classic Right Ventricle Function Dataset
(SHARe_AncilRV)
Nature of Data: RV function dataset for MESA Classic participants
"Funding support for the RV dataset was provided by grant HL086719"

MESA SHARe – MESA Classic Renal Function Dataset
(SHARe_Renal)
Nature of Data: Renal function dataset for MESA Classic participants
"Funding support for the Renal Function dataset was provided by grant DK083538-01"

MESA SHARe – MESA Classic Sex Hormone Dataset
(SHARe_AncilMesaSexHormone)
Nature of Data: Sex Hormone Dataset for MESA Classic participants
"Funding support for the sex hormone dataset was provided by grants HL074406 and HL074338."

MESA SHARe – MESA Classic Sleep Polysomnography Dataset
(SHARe_ Sleep Polysomnography)
Nature of Data: Sleep Polysomnography dataset for MESA Classic participants
"Funding support for the Sleep Polysomnography dataset was provided by grant HL56984."

MESA SHARe – MESA Classic Sphyngomyelin Dataset
(SHARe_AncilMesaSphyngomyelin)
Nature of Data: Sphingomyelin dataset for MESA Classic participants
"Funding support for the sphyngomyelin dataset was provided by grant NIH 1R01HL098433-01."

MESA SHARe – MESA Classic Spirometry Dataset
(MESA_SHARe_AncilMesaLungSpirometry)
Nature of Data: Spirometry dataset for MESA Classic participants
"Funding support for the MESA Classic Spirometry dataset was provided by grant R01-HL077612."

MESA SHARe – MESA Classic Stress Dataset
(SHARe_Stress Cortisol and SHARe_StressCortisolLong)
Nature of Data: Stress dataset for MESA Classic participants
"Funding support for the cortisol dataset was provided by grant HL059386"

MESA SHARe – MESA Classic Vitamin D Dataset
(SHARe_AncilMesaVitaminD)
Nature of Data: MESA Classic measure of 25 Hydroxy Vitamin D.
"Funding support for the Vitamin D dataset was provided by grant HL096875"

MESA SHARe – MESA Classic Vitamin K Dataset
(SHARe_AncilMesaVitaminK)
Nature of Data: Measure vitamin K status (as plasma phylloquinone (vitamin K1)) in a sub-group of participants in the MESA study
"Funding support for the Vitamin D dataset was provided by AHA 09CRP2070013"

MESA Family Datasets

MESA SHARe – MESA Family Air Exposure Dataset
(SHARe_FamilyAirExposure)
Nature of Data: Distance to Roadway measurements for MESA Air Family participants.
[Note: Acknowledgement is covered by section I]

MESA SHARe – MESA Family Aortic Valvular Calcium Dataset
(SHARe_FamilyAorticValvularCalcium)
Nature of Data: Aortic valvular calcium dataset for MESA Classic participants
"Funding support for the aortic valvular calcium dataset was provided by grant 1R01HL088451-01A1."

MESA SHARe – MESA Family Eye Dataset
(SHARe_MesaFamily_EyeRefraction)
Nature of Data: Refraction dataset for MESA Eye participants
"Funding support for the eye dataset was provided, in part, by the Intramural Research Program of the NIH, NEI (ZIAEY000425)."

MESA SHARe – MESA Family Lung Airways Dataset
(SHARe_MesaFamily_LungAirway)
Nature of Data: Lung Airways dataset for MESA Family participants
"Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543"

MESA SHARe – MESA Family Lung CT Dataset
(SHARe_LungFamilyCT)
Nature of Data: Lung CT dataset for MESA Family participants
"Funding support for the Lung CT dataset was provided by grants
R01-HL077612 and RC1-HL100543"

MESA SHARe – MESA Family Retinal Photography Dataset
(SHARe_FamilyEyeRetinalPhoto)
Nature of Data: Retinal photography dataset for MESA Family participants
"Funding support for the MESA Family retinal photography dataset was provided by grant and contract numbers R01HL071051, R01HL071205, R01HL071250, R01HL071251, R01HL071252, R01HL071258, R01HL071259. and HL066018."

**MESA SHARe – MESA Family Spirometry Dataset
(MESA_SHARe_FamilySpirometry)
Nature of Data: Spirometry dataset for MESA Family participants**
"Funding support for the MESA Family spirometry dataset was provided by grant R01-HL077612."

MESA Air Datasets

**MESA SHARe – MESA Air Exposure Dataset
(SHARe_AirNRExposure)
Nature of Data: Distance to Roadway measurements for MESA Air New Recruit participants.**
[Note: Acknowledgement is covered by section I]

**MESA SHARe – MESA Air IMT Dataset
(SHARe_AirNRIMT)
Nature of Data: intima-media thickness dataset for MESA Air New Recruit participants**
[Note: Acknowledgement is covered by section I]

**MESA SHARe – MESA Air Lung Airways Dataset
(SHARe_LungNRCT)
Nature of Data: Lung Airways dataset for MESA Air New Recruit participants**
"Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543"

**MESA SHARe – MESA Air Lung CT Dataset
(SHARe_LungNRCT)
Nature of Data: Lung CT dataset for MESA Air New Recruit participants**
"Funding support for the Lung CT dataset was provided by grants
R01-HL077612 and RC1-HL100543"

**MESA SHARe – MESA Air Spirometry Dataset
(MESA_SHARe_AirNRSpirometry)
Nature of Data: Spirometry dataset for MESA Air New Recruit participants**
"Funding support for the MESA Air spirometry dataset was provided by grant R01-HL077612."